

# Fiber optic transmitter/receiver market to hit \$20.5bn by 2006

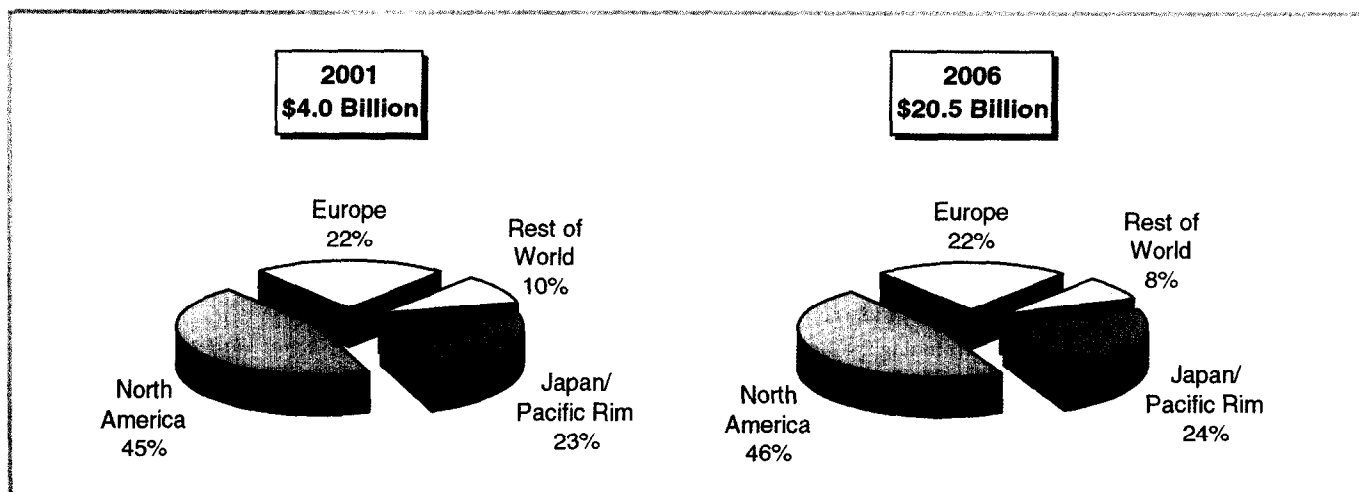


Figure: Global Optoelectronic Transmitter/Receiver Pair Consumption, by Region

ElectroniCast (San Mateo, CA, USA) has published a new report entitled Fiber Optic Optoelectronic Transmitter/Receiver Global Market Forecast. It says the global consumption of fibre optic optoelectronic transmitter/receiver pairs (T/R pair) used for communication applications in 2001 was worth US\$4.0bn. The consumption value will increase at an annual growth rate of 39% per year over the next five years, to \$20.5bn in 2006, with strongly rising quantity growth partially offset by a decline in average prices.

"The global optoelectronic transmitter/receiver pair consumption is driven by a dramatic increase in bandwidth demand beyond the limits of copper," ElectroniCast's President Stephen Montgomery said.

"Technological advances in fibre optics is assuring the migration of fibre closer and closer to the end user. This translates into demand for shorter links where transmitter/receiver pairs represent a substantial share of the total installation cost. The cost concerns are being addressed with the introduction of smaller, lower cost and easier to install transceivers."

North America led in global consumption with 45% or \$1.79bn in 2001. North American consumption will expand in value to \$9.4bn by 2006.

North American optoelectronic consumption (use) will be driven by the proliferation of relatively shorter links used in private data and local loop networks. European optoelectronic

consumption reaching 22% in 2006, will be led by the European Union member states as they transition to open competition in delivery of broadband services to both business and residential customers. Japan/Pacific Rim will demonstrate very strong growth; especially in China for expensive long-haul links.

The study segments the global fibre opto transmitter/receiver pair consumption into the following major application categories:

- Telecoms
- Private data networks
- Cable TV
- Other (Military/Aerospace plus Specialty plus Non-production)

"The fastest fibre optic optoelectronics growth (consumption growth) over the next five

years will be in private data communication networks, subscriber distribution and military/aerospace applications. In these markets, especially over the next five years, fibre optics must compete against the cost of unshielded and shielded twisted pair copper wire and coaxial cable, with the low-cost copper electronic terminations and connectors. These are applications initially dominated by low data rates up to 1 Gbps and short to moderate length links (up to a few hundred metres)," Montgomery said.

The Fiber Optic Optoelectronic Transmitter Global Market Forecast is available for US\$12,000.

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